

Figure 1

α IFN-2	-	+	+	+	+	+	+	+	+	+
mAb	-	-	IgG	9F3	3B7	3B7	1D3	1D3	1F3	1F3
(μ g/ml)			1	1	1	10	1	10	1	10

This image shows a high-contrast, black and white scan of a textured surface, likely the cover or endpaper of an old book. The texture is dense and granular, with many small white specks and fibers visible against a dark background. A small, white circular mark is present near the top right corner. The overall appearance is aged and worn.

Figure 2

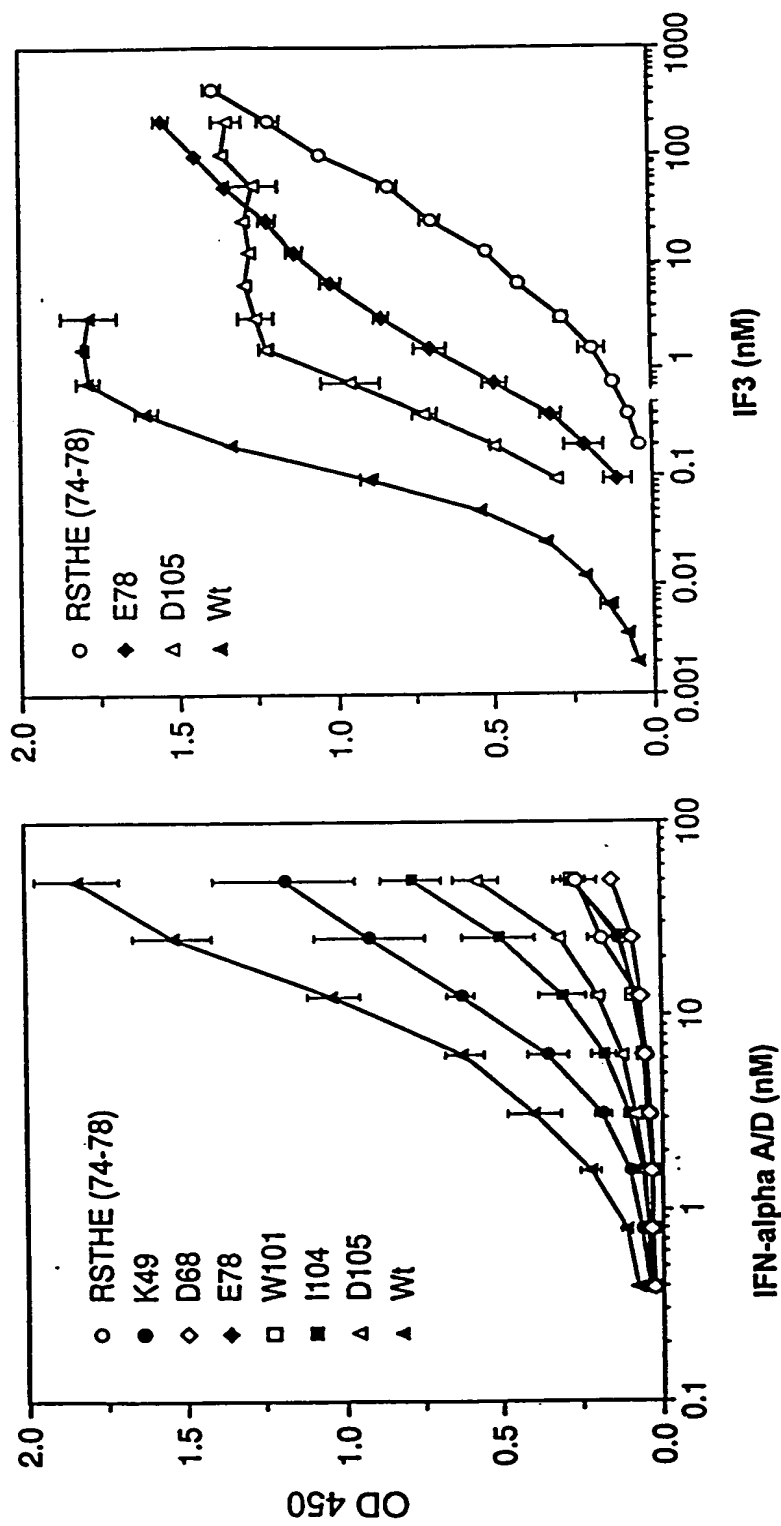


Figure 3B

Figure 3A

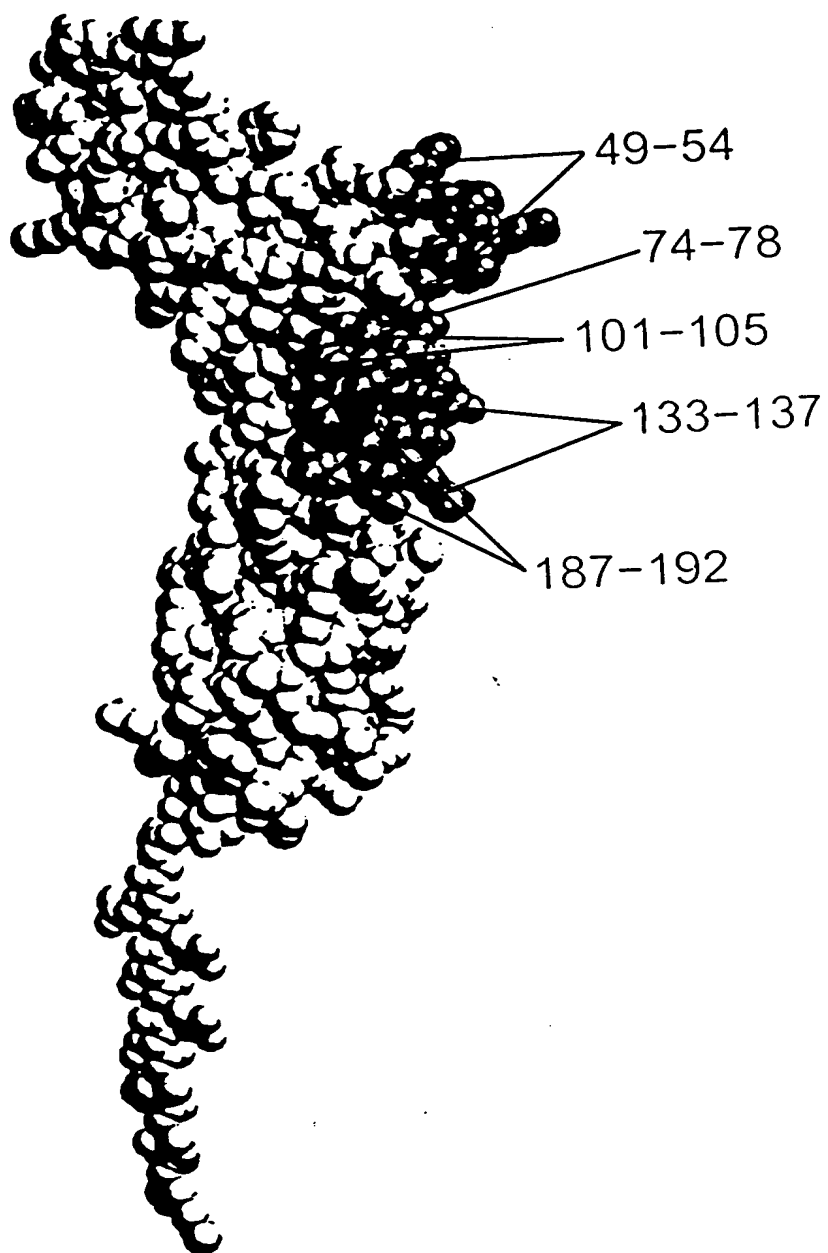


Figure 4

1 GAATTCCTAA AATAGCAAA GATGCTTTG AGCAGAAATG CTTTCATCGT CAGATCACTT AATTTGGTTC TCATGGTGTA TATCAGCTC GTGTTTGGTA
 2 CTTAAGGATT TTTATCGTTT CTACGAAAC TCGGTCTTAC GGAAGTAGCA GTCTAGTGA TTAACCAAG AGTACCACAT ATAGTCGGAG CACAAACCAT
 3 Ile
 4 human alpha beta receptor
 5
 6 101 TTTTCATATG TTCGCTGAT TACACAGATG AATCTTGAC TTTCAAGATA TCATTGCGAA ATTTCCGGTC CATCTATCA TGGGAATTAA AAAACCACTC
 7 AAGTATACT AAGCGACTA ATGTGCTAC TTAGAAGCTG AAGTTCTAT AGTACGCTT TAAAGGCCAG GTAGATAGT ACCCTTAAT TTTTGGTGAG
 8 2 SerTyAs pSerProAsp TyrThrAspG luserCysTh rPhelysIle SerLeuArga snPheArgSe rIleLeuSer TrpGluLeuL yAsnHisSer
 9
 10 201 CATTTGACCA ACTCACTATA CATTGCTGTA TACAATCATG AGTAAACCAG AAGATTGAA GGTGGTTAAG AACTGTCAA ATACCACAAG ATCAATTTGT
 11 GTAACATGGT TGAATGATAT GTACGACAT ATGTTAGTAC TCATTGGTC TTCTAAACTT CCACCAATTC TTGACACGTT TATGGTGTTC TAGTAAACA
 12 35 ILeValPro ThrHisTyrt hrLeuLeuty rThrIleMet SerLysProG luAspLeuLy sValValLys AsnCyAsAla aThrThrAr gSerPheCys
 13
 14 301 GACCTCACAG ATGATGGAG AAGCACACAC GAGGCTCATG TCACCTCTCT AGAAGGATTC AGCGGGAACA CAACGTGTT CAGTTGCTCA CACAATTTCT
 15 CTGGAGTGT TACTACCTC TTCGTGTGTG CTCGGATAC AGTGGCAGGA TCTTCCTAAG TCGCCCTTGT GTTGCAACA GTCAACGAGT GTGTTAAAGA
 16 68 AspLeuThra spGluTrpAr gSerThrHis GluAlaTyrv alThrValle uGluGlyPhe SerGlyAsnT hrThrLeuph eSerCysSer HisAsnPheTrp
 17
 18 401 GGTGGCCAT AGACATGCT TTTGAACCA CAGAGTTGA GATTGTGTT TTTACCAACC ACATTAATGT GATGTGAAA TTTCCATCTA TTTGTGAGGA
 19 CGACCCGTA TCTGTACAGA AACTTGGTG GTCTCAACT CTAACAACA AATGGTTGG TGTAAATACA CTACCACTTT AAGGTAGAT AACACTCTC
 20 102 LeuAlaI eAspMetSer PheGluProp roGluPheG l uLeValGly PhethrAsnH isIleAsnVa lMetValLys PheProSeR iLeValGluGlu
 21
 22 501 AGAATTACAG TTTGATTTAT CTCTGTCAT TGAAGACAG TCAGAGGGA TTGTTAAGAA GCATAAACCC GAAATAAAG GAAACATGAG TGGAAATTTT
 23 TCTTAATGTC AAACATAATA GAGAGCAGTA ACTTCTGTC AGTCTCCCTT AACAACTCTT CGTATTTGGG CTTTATTTTC CTTTGTACTC ACCTTTAAG
 24 135 GluLeuGln PheAspLeuS erLeuValI egluGluGln SerGluGly l eValLysLy sHisLysPro GluIleLysG LyAsnMetSe rGlyAsnPhe
 25
 26 601 ACCTATATCA TTGACAAGTT AATCCAAAC ACGAATCTAT GTGATCTGT TTAATTAGAG CACAGTGATG AGCAAGCAGT AATAAGTCT CCCTTAAAT
 27 TGGATATAGT AACTGTTCAA TTAAGTTTG TGCTTGATGA CACATAGACA AATAATCTC GTGTCACTAC TCGTTCTCA TTAATTCAGA GGAATTTTA
 28 168 ThrTyrIleI eAspLysLe uIleProAsn ThrAsnTyrc yAsValserVa lTyLeuGlu HisSerAspG luGlnAlaVa lIleLysSer ProLeuLysCys
 29
 30 701 GCACCTCTCT TCCACCTGGC CAGGAATCAG AATCAGCAGA ATCTGGCAG AAAACTCACA CATGCCACCC GTGCCACGCA CCTGAACCTC TGGGGGACC
 31 CTTGGGAGGA AGGTGACCG GTCTTAGTC TTAGTCTGCT TAGACGGCTG TTTTGAGTGT GTACGGGTGG CACGGGTGCT GACTTGAGG ACCCCCTGG
 32 202 ThrLeuLe uProProGly GlnGluSerG luSerAlaG l userAlaAsp LysThrHisT hrCysProPr oCysProAla ProGluLeuL eudlyGlyPr
 33 19G1
 34
 35 801 GTCAGTCTTC CTCCTCCCC CAAACCCCA GACACCCCTC ATGATCTCCC GGACCCCTGA GGTACATGC GTGGTGTGG AGTGAGCCA CGAAGACCTT
 36 CAGTCAGAG GAGAAGGGG GTTTTGGTT CTTGTGGAG TACTAGAGG CCTGGGACT CCAGTGTAG CACCACCACC TGCATCTGCT GCTTCTGGA
 37 235 SerValPhe LeupheProp roLysProLy sAspThrLeu MetIleSera rgThrProG l uValThrCys ValValVala spValSerHi sGluAspPro

Figure 5A

901 GAGGTCAAGT TCAACTGGTA CGTGACGGC GTGAGGTGC ATATGCCAA GACAAAGCCG CGGGAGGAGC AGTACACAG CAGTACCGA GTGTCAGCG
 CTCAGTTCA AGTTGACCAT GCACCTGCC CACCTCCACG TATTACGGT CTGTTTGGC GCCCTCTCG TCATGTGTC GTGATGGCT CACCAGTCGC
 268 GluVallysp heAsnTrpTy rValaspGly ValGluValH isaAlaLys sThrLysPro ArgGluGluG InTyraNse rThrTyArg ValValSerVal
 1001 TCCTCACCGT CCTGCACCG GACTGGCTGA ATGCCAAGA GTACAAGTC AGGTCTCCA ACAGGCCCT CCCAGCCCCC ATCGAGAAA CCATCTCCAA
 AGAGTGCA GACGTGGTC CTGACCGACT TACGTTCTT CATGTTCCG TCCAGAGGT TGTTCGGGA GGTTCGGGG TAGCTCTTT GTTAGAGTT
 302 LeuThrVa lleuHisGln AspTrpLeuA snglyLysG lTyThrLysCys LysValserA snLysAlaLe uProAlaPro ileGluLysT hrileSerLys
 1101 AGCCAAAGG CAGCCCGAG AACACAGGT GTACACCTG CCCCATCCC GGAAGAGAT GACCAAGAAC CAGGTCAGCC TGACTGCCT GGTCAAGGC
 TCGGTTCCC GTGGGGCTC TTGTTTCCA CATGCGGAC GGGGTAGGG CCTTCTCTA CTGGTTCTTG GTCCAGTCGG ACTGACCGA CAGTTTCCG
 335 AlaLysGly GlnProArg luProGlnVa lTyThrLeu ProProSerA rGluGluMe tThrLysAsn GlnValserL euThrCysLe uVallysgly
 1201 TTCATCCCA GGCATCGC CGTGAGTGG GAGAGCAATG GGCAGCCGA GAACAACATAC AAGACCAAGC CTCCCCTGCT GACTCCGAC GGCTCTTCT
 AAGATAGGT CGCTGTAGC GCACCTCAC CTCTGTTAC CGTCGGCTT CTGTTGATG TTCTGTGCG GAGGCACGA CCTGAGGCTG CCGAGGAAGA
 368 PheTyrPro sAspIleAl aValGluTrp GluSerAsnG lyGlnProG lAsnAsnTy rLysThrThrP roProValle uAspSerAsp GlySerPhePhe
 1301 TCCTCTACAG CAAGCTCACC GTGGACAAGA GCAGTGGCA GCAGGGGAA C GTCTCTCAT GTCCTGATG CATGAGGCT CTGCACAACC ACTACACGCA
 AGGATATGC GTTCGAGTGG CACCTGTCT GTTCACCGT CGTCCCCTTG CAGAGAGTA CGAGGCACTA CGTACTCCGA GACGTGTTGG TGATGTGCGT
 402 LeuTySe rLysLeuThr ValaspLys sErArgTrpG lnglnGlyAsn ValPheSerC ysSerValMe tHisGluAla leuHisAsnH isTyThrGln
 1401 GAAGAGCCTC TCCTGTCTC CGGTAAATG AGTGCACGG CCTAGAGTC GACCTGCAGA AGCTTAGAAC CGAGGGGCCG CCATGGCCCA ACTGTTTAT
 CTTCTCGGAG AGGACAGAG GCCCATTTAC TCACGCTGCC GGGATCTCAG CTGACGCTCT TCGATCTTG GCTCCCCGGC GTTACCGGT TGAACAAATA
 435 LysSerLeu SerLeuSerP rodlyLysOP * (SEQ ID NO.26)
 sv40 early
 poly A
 1501 TGCAGCTTAT AATGTTTACA AATAAAGCAA TAGCATCACA AATTTCACA ATAAAGCATT TTTTCACTG CATTTAGTT GTGTTTGTG CAAACTCATC
 ACGTCGAATA TTACCAATGT TTATTTCTGT ATCGTAGTGT TTAAGTGT TTATTCGTAA AAAAAAGTGAC GTAAGATCAA CACCAACAG GTTTGAGTAG
 1601 AATGTATCTT ATCATGTCTG GATCGATCGG GAATTAATTC GCGCAGCAC CATGGCTGA AATAACCTCT GAAAGAGGAA CTTGTTAGG TACCTTCTGA
 TTACATAGAA TAGTACAGAC CTAGCTAGCC CTTAATTAAG CCGCTGCTG GTACCGACT TTATTGGAGA CTTTCTCCTT GAACCAATCC ATGGAAGACT
 sv40 origin
 1701 GGCAGGAAGA ACCAGCTGTG GAATGTGTGT CAGTTAGGTT GTGGAAGTC CCCAGCTCC CCAGCAGGCA GAAGTATGCA AAGCATGCAT CTCATATAGT
 CCGCTTCTT TGGTCGACAC CTTACACACA GTCAATCCCA CACCTTTCAG GGTCCGAGG GGTCTCCGT CTTTCATACGT TTCGTACGTA GAGTTAATCA
 1801 CAGCAACAG GTGTGGAAAG TCCCAGGCT CCCCAGCAG CAGAAGTATG CAAAGATGC ATCTCAATTA GTCAGCAACC ATAGTCCCGC CCTAACTCC
 GTCGTTGCTC CACACCTTTC AGGGTCCGA GGGGTGCTCC GTCTTCATAC GTTTCGTACG TAGAGTTAAT CAGTCGTTGG TATCAGGGCG GGGATTGAGG

Figur 5B

1901 GCCCATCCCG CCCTAACTC CCCCCAGTC GCGCCATCT CCGCCCCATG GCTGACTAAT TTTTTTAAT TATGACAGG CCGAGGCCGC CTCGCCCTCT
CGGCTAGGCG GGGGATTGAG GCGGGTCAAG GCGGGTAAGA GCGGGGTAC CGACTGATTA AAAAAATAA ATACGTCTCC GGTCCGGCG GAGCGGAGA

2001 GAGCTATTCC AGAAGTAGTG AGGAGGCTTT TTGAGAGCC TAGGCTTTG CAAAAAGCTG TTAACAGCTT GGCACCTGGC GTCGTTTAC AACGTGCTGA
CTCGATAAGG TCTTCATCAC TCCTCGAAA AACCTCCG ATCCGAAAC GTTTTCGAC AATTGTGAA CCGTGACCG CAGCAAAATG TTGCAGCACT
start pUC118

2101 CTGGGAAAC CTGGCGTTA CCAACTTAA TCGCCTTGA GCACATCCC CTTTCCGAG CTGGCGTAAT AGCGAAGAG CCGCACCGA TCGCCCTTCC
GACCTTTTG GGACCGCAAT GGGTTGAAT AGCGAAGCT CGTGTAGGG GGAAGCGTC GACCGCATTA TCGTTCTCC GGGCGTGGCT AGCGGAAGG

2201 CAACAGTTGC GTAGCCTGAA TGGCGAATG CCGCTGATGC GGTATTTCT CTTACGCAT CTGTGCGTA TTTCACACG CATACGTCAA AGCAACCATTA
GTTGTCAAG CATCGACTT ACCGCTTACC GCGACTACG CCATAAAGA GGAATGCTA GACACGCCAT AAGTGTGC GTATGCAGTT TCGTTGGTAT

2301 GTACGCGCC TGTAGCGCG CATTAGCGC GCGGGTGTG GTGTTACG GCAGCGTAC CGTACACTT GCCAGCGCC TAGCGCCGC TCCTTTGCT
CATGCGCGG ACATCGCGC GTAAATCGCG CCGCCACAC CACCAATGCG CGTGGCACTG GCGATGTGA CCGTCCGGG ATCGCGGGC AGAAGCGA

2401 TTCTTCCCTT CCTTCTGCG CAGTTTCGCC GGCCTTCCC GTCAAGCTCT AAATCGGGG CTCCCTTTAG GGTCCGAT TAGTGCTTTA CGGCACCTCG
AAGAAGGGA GGAAGAGCG GTGCAAGCG CCGAAGGGG CAGTTCGAGA TTAGGCCCC GAGGAAATC CCAAGCTAA ATCAGAAAT GCCGTGGAGC

2501 ACCCCAAAA ACTTGATTTG GGTGATGTT CAGTAGTGG GCCATCGCC TGNATAGCGG TTTTCCGCC TTTGAGTTG GAGTCCACGT TCTTTAATAG
TGGGTTTTT TGAACATAAC CCACTACCA GTGCATCAC CCGTAGCGG ACTATCTGC AAAAAGCGG AAACGTCAAC CTCAGGTGCA AGAAATTATC

2601 TGGACTCTTG TTCCAAACTG GAACAACACT CAACCTATC TCGGGCTATT CTTTGAATTT ATAAGGATTT TGGCGATTT CGGCCTATTG GTTAAAAAAT
ACCTGAGAAC AAGTTTTCAC CTTGTTGTGA GTTGGGATAG AGCCGATTA GAAAACTAA TATTCCTAA AACGGTAA GCCGATAAC CAATTTTTTA

2701 GAGCTGATTT AACAAAAAT TAACGCAAT TTTAACAAA TATTAACTT TACAATTTA TGGTGCACTC TCAGTACAAT CTGCTCTGAT GCGGCATAGT
CTCGACTAAA TTGTTTTTA ATTGCGCTTA AATTTGTTT ATAATTGCAA ATGTTAAAT ACCACGTGAG AGTCATGTTA GACGAGACTA CGCGTATCA

2801 TAAGCCAACT CGCTATCGC TACGTGACTG GGTGATGGCT GCGCCCCGAC ACCCGCCAAC ACCCGCTGAC GCGCCTGAC GGGCTTGTCT GCTCCCGCA
ATTGCGTTGA GCGGATAGCG ATGCATGAC CCACTACCGA CCGGGGGCTG TGGCGGCTG TGGCGACTG CCGCGACTG CCGCAACAGA CGAGGGCGGT

2901 TCCGCTTACA GACAAGCTGT GACCGTCTC GGGAGCTGCA TGTGTACAG GTTTTACCG TCATCACCGA AACGCGGAG GCAGTATCT TGAAGACGAA
AGCGCAATGT CTGTTGACA CTGGCAGAG CCCTCGACGT ACACAGTCT CAAAAGTGGC AGTAGTGGCT TTGCGCGCTC CGTCATAAGA ACTTCTGCTT

3001 AGGGCCTCGT GATACGCTA TTTTATAGG TTAATGTAT GATAATAAT GTTCTTAGA GGTACGTTG CACTTTCGG GGAATGTGC GCGGAACCCC
TCCCGAGCA CTATGCGGAT AAAATATCC AATTACGTA CTATTATTAC CAAAGATCT GCAGTCCACC GTGAAAGCC CTTTACAG CCGCTTGGG

Figure 5C

3101 TATTGTGTTA TTTTCTAAA TACATTCAAA TATGTATCCG CTCATGAGAC AATAACCCCTG ATAAATGCTT CAATAATATT GAAAAGGAA GAGTATGAGT
ATAAACCAAT AAAAGGATT AGTAAGTTT ATACATAGGC GAGTACTCTG TTATTGGGAC TATTACGAA GTTATTATAA CTTTTCCTT CTCATACTCA

3201 ATTCAACATT TCCGTGTCG CCTTATTCCC TTTTTCGGG CATTGTCCT TCCGTGTTT GCTCACCCAG AAACGCTGGT GAAAGTAATA GATGCTGAAG
TAAGTTGTA AGGCACAGCG GGAATAGGG AAAAAGGCC GTAAACGGG AGACAAAAA CGAGTGGTC TTGCGACCA CTTTCATTT CTACGACTTC

3301 ATCAGTTGGG TGCACGATG GGTACATCG AACTGATCT CAACAGCGGT AAGATCCTTG AGAGTTTTCG CCCCAGAA CGTTTTCCAA TGATGAGCAC
TAGTCAACCC ACGTGTCTAC CCAATGTAGC TTGACCTAGA GTTGTGCCA TTCTAGGAAC TCTCAAAAGC GGGCTTCTT GCAAAAGGTT ACTACTCGTG

3401 TTTTAAAGTT CTGCTATGTG GCGCGTATT ATCCGTGAT GACGCGGGC AAGAGCAACT CGGTGCGCG ATACACTATT CTCAGAAATG CTTGGTTGAG
AAAATTTCAA GACGATACAC CGCGCCATAA TAGGGCACTA CTGCGGCCG TTCTGTTGA GCCAGCGCG TATGTGATAA GAGTCTTACT GAACCAACTC

3501 TACTCACCAAG TCACAGAAAA GCATCTTACG GATGGATGA CAGTAAGAGA ATTATGCAGT GCTGCCATAA CCATGAGTGA TAACACTGCG GCCAACTTAC
ATGAGTGGTC AGTGTCTTTT CGTAGAAATGC CTACCGTACT GTCAATCTCT TAATACGTCA CGACGGTATT GGTACTCACT ATTGTGAGCG CGGTTGATG

3601 TTCTGACAA GATCGGAGG CCGAAGGAGC TAACCGCTTT TTGCAACAAC ATGGGGATC ATGTAACTCG CCTGTGATCGT TGGGAACCG AGCTGAATGA
AAGACTGTTG CTAGCCTCCT GCGTCTCTCG ATTGGCAAA AACGTGTTG TACCCCTAG TACATTGAGC GGAACCTAGCA ACCCTTGCC TCGACTTACT

3701 AGCCATACCA AACGACGAGC GTGACACCAC GATGCCAGCA GCAATGSCAA CAACGTGCG CAATCTATTA ACTGGCGAAC TACTTACTCT AGCTTCCCGG
TCGGTATGGT TTGCTGCTCG CACTGTGCTG CTACGTGCTG CATTACCGTT GTTGCAACGC GTTTGATAAT TGACCGCTTG ATGAATGAGA TCGAAGGGCC

3801 CAACAATTAA TAGACTGGAT GAGGCGGAT AAGTTGCGG GACCCTTCT GCGCTCGCC CTTCGCGCTG GCTGGTTTAT TGCTGATAAA TCTGGAGCCG
GTTGTTAATT ATCTGACCTA CCTCGCCCTA TTTCAACGTC CTGGTGAAGA CGCAGCGCG GAAGCGCGAC CGACCAATA ACCTATTTT AGACCTCGGC

3901 GTGAGCGTGG GTCTCGCGGT ATCATTTGCG CACTGGGGC AGATGGTAAG CCTCCCGTA TCGTAGTTAT CTACACGACG GGGAGTCAGG CAACTATGGA
CACTCGCACC CAGAGCGCCA TAGTAACGTC GTGACCCCGG TCTACCATTC GGGAGGCGAT AGCATCAATA GATGTGCTGC CCCTCAGTCC GTTGATACCT

4001 TGAACGAAAT AGACAGATCG CTGAGATAGG TGCCCTCACTG ATTAAGCATT GGTAACTGTC AGACCAAGTT TACTCATATA TACTTTAGAT TGATTTAAAA
ACTTGTCTTA TCTGTCTAGC GACTCTATCC ACGGAGTGAC TAATTGCTAA CCAATTGACAG TCTGGTTCAA ATGAGTATAT ATGAATCTA ACTAAATTTT

4101 CTTCAATTTT AATTAAAGG GATCTAGGTG AAGATCCTTT TTGATAATCT CATGACCAA ATCCCTTAAC GTGAGTTTC GTTCCACTGA GCGTCAGACC
GAGTAATAA TTAATTTTC CTAGATCCAC TTCTAGGAAA AACTATTAGA GTACTGTTT TAGGGAATTG CACTCAAAAG CAAGGTGACT CGCAGTCTGG

4201 CCGTAGAAAA GATCAAGGA TCTTCTTGG ATCCTTTTT TCTGGCGGTA ATCTGCTCT TGCMAACAA AAAACCAACG CTACACGCGG TGGTTTGT
GGCATCTTT CTAGTTTCT AGAAGAACTC TAGGAAAAA AGACCGCAT TAGACGACGA ACGTTTGT TTTTGTGGC GATGTGCGC ACCAAACAAA

4301 GCCGATCAA GAGCTACCA CTCCTTTTCC GAAGTAACT GGCTTCAGCA GAGCGCAGAT ACCAAATACT GTCTTCTAG TGTAGCCGTA GTTAGGCCAC
CGGCTAGTT CTCGATGTT GAGAAAAAG CTTCCATTGA CCGAAGTCGT CTCGGTCTA TGGTTTATGA CAGGAAGATC ACATCGGCAT CAATCCGGTG

4401 CACTTCAAGA ACTCTGTAGC ACCGCTTACA TACCTCGCTC TGCTAATCCT GTTACCAGTG GCTGCTGCCA GTGCGATAA GTGCTGTCTT ACCGGTTCG
GTGAAGTTCT TGAGACATCG TGGCGGATGT ATGGAGCGAG AGGATTAGGA CAATGGTAC CAGACGCGT CACCGTATT CAGCACAGAA TGGCCCAACC

4501 ACTCAAGAGC ATAGTTACCG GATAAGCGC AGCGGTGCGG CTGAAGGGG GGTTCGTGCA CACAGCCCG CAGACCTTACA CCGAACTGAG
TGAGTTCTGC TATCAATGGC CTATTCGCG CTATTCGCG TCGCCAGGCC GACTTCCCC CCAAGCAGT GTGTCGGTC GAACTCTCGT TGCTGGATGT GGCTTGACTC

4601 ATACTACAG CGTGAGCAAT GAGAAAGCG CAGCTTCCC GAAAGGAGAA AGCGGACAG GTATCGGTA AGCGGACGG TCGGAACAGG AGAGCGCAG
TATGATGTC GCACCTGTAA CTCTTCGCG GTGCGAAGG CTTCCTCTT TCCGCTGTC CATAGGCCAT TCGCCGTCCC AGCTTGTCC TCTCGCGTGC

4701 AGGAGCTTC CAGGGGAAA CGCTGTGTAT CTTTATATC CTGTGGGT TCGCCACCTC TGACTTGAGC GTGATTTT GTATGCTCG TCAGGGGGC
TCCCTCGAAG GTCCCTCTT GCGAACATA GAAATATCAG GACAGCCAA AGCGGTGAG ACTGAACCTC CAGCTAATAA CACTACAGC AGTCCCCCG

4801 GAGGCTATG GAAAGCGC AGCAACCGG CCTTTTACG GTTCTGGC TTTTGTGCG CATGTCTCTT CCTGCTTAT CCCCTGATTC
CCTCGATAC CTTTTCGG TCGTTGCGG GMAAATGC CAAGACCG AMAACGAGT GTACAGAAA GGACGCAATA GGGACTAAG

4901 TGTGATTAAC COTATTACG CCTTTGAGT AGCTGATACC GCTCGCGCA GCGGACGAG GAGTCACTGA CCGAGGAGC GGAAGAGCGC
ACACTATG GCATAATGCG GGAACCTAC TCGACTATG CGAGCGCGT CGGCTTGTG GCTCGCTG CTGAGTCACT CGTCTCTCG CCTTCTCGC

5001 CCATACGCA AACCGCTCT CCCGCGGCT TGGCCGATTC ATTAATCCAG CTGGCAGCAG AGGTTTCCC ACTGGAAGC GGGCAGTGAG CGCAACGCA
GTTATGCGT TTGGCGGAG GGGGCGCGCA ACCGGCTAAG TAATTAGGTC GACCTGCTG TCCAAAGGGC TGACCTTTG CCCGTCACT CGCTTGGCTT

5101 TTAATGTGAG TTACCTCACT CATTAGGCAC CCCAGGCTTT ACCTTTATG CTTCGGCTC GTATGTGTG TGGAAATGT AGCGGATAAC AATTTACAC
AATTACATC ATGGAGTGA GTATCCGTG GGTTCGAAA TGTGAATATC GAAGGCCGAG CATAACACAC ACCTTAACAC TCGCTATTG TTAAGTGTG

5201 AGGAAACAGC TATGACCATG ATTACGAAT AATTCAGCT CGCCGACAT TGATTATGA CTAGTTATTA ATAGTAATCA ATTACGGGT CATTAGTTCA
TCCTTTGTCG ATACTGTAC TAATGCTTAA TTAAGCTGA GCGGCTGTA ACTAATACT GATCAATAAT TATCATTAGT TAATCCCCCA GTAATCAAGT

from pPMLCMV beginning to HindIII, enhancers and promoter

5301 TAGCCCATAT ATGGAGTTC GGTATACATA ACTTACGGTA AATGCCCCG CTGGCTGACC GCCAACGAC CCGCGCCCAT TGACGTCAAT AATGACGTAT
ATCGGTATA TACCTCAAG CGCAATGTAT TGAATGCCAT TTACCGGGG GACCGACTG CGGTTGCTG GGGCGGGTA ACTGCAGTTA TTAATGATA

5401 GTTCCCATAG TAAGCCCAAT AGGACTTTC CATTGACGTC AATGGGTGA GTATTACGG TAAATGCCC ACTTGGCAGT ACATCAAGT TATCATATG
CAAGGTATC ATGCGGTTA TCCCTGAAA GTAACGCG TTAACCACT CATAAATGCC ATTTGACGG TGAACCGTCA TGTAGTTTAC ATAGTATACG

5501 CAAGTACGCC CCTATTGAC GTCAATGACG GTAAATGCGC CGCTGGCAT TATGCCAGT ACATGACCTT ATGGGACTTT CCTACTTGGC AGTACATCTA
GTTCAATGCG GGAATAACTG CAGTTACTGC CATTACCGG CCGGACCGTA ATACGGGTCA TGTACTGGA TACCCTGAAA GGATGAACCG TCATGTAGT

Figure 5E

200750-202500

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5601 CGTATTAGTC ATCGCTATTA CCATGGTGAT GCGGTTTGG CAGTACATCA ATGGGCGTGG ATAGCGGTTT GACTCACGGG GATTTCCAAG TCTCCACCCC
GCATAATCAG TAGCGATAAT GGTACCACCTA CGCCAAACC GTCATGTAGT TACCCGCACC TATCCCCAAA CTGAGTGCCC CTAAGGTTT AGAGGTGGGG

5701 ATTGACGTCA ATGGGAGTTT GTTTTGGCAC CAAATCAAC GGGACTTTCC AAAATGTCTG AACAACTCCG CCCCAATTGAC GCAATGGGC GGTAGGCGTG
TAACTGCACT TACCCCTCAA CAAAACCGTG GTTTAGTTG CCTGAAAGG TTTTACAGCA TTGTTGAGGC GGGGTAAC TGTTTACCCG CCATCCGCAC

5801 TACGGTGGGA GGTCTATATA AGCAGAGCTC GTTTAGTGA CCGTCAGATC GCCTGGAGAC GCCATCCACG CTGTTTGGAC CTCCATAGAA GACACCGGA
ATGCCACCCT CCAGATATAT TCGTCTCGAG CAATCACTT GGCAGTCTAG CCGACCTCTG CCGTAGGTGC GACAAAAC TGAGGTATCTT CTGTGGCCTT

5901 CCGATCCAGC CTCGGCGGCC GGGAAAGGTG CATTGGAACG CGGATTCCCG GTGCCAAGAG TGACGTAAGT ACCGCCTATA GAGTCTATAG GCCCACCCCC
GGCTAGGTG GAGGCGCCG CCCTTGGCAC GTAACTTGC GCCTAAGGG CAGGTTCTC ACTGCATTCA TGCGGATAT CTCAGATATC CGGGTGGGGG

6001 TTGGCTCCTT AGAACGCGC TACAATTAAT ACATAACCTT ATGTATCATA CACATACGAT TTAGGTGACA CTATAGAATA ACATCCACTT TGCCTTTCTC
AACCGAGCAA TCTTGGCCG ATGTTAAATTA TGTATTGGA TACATAGTAT GTGTATGCTA AATCCACTGT GATATCTTAT TGTAGGTGA ACGGAAGAG
sp6 promoter
sp6 RNA start

6101 TCCACAGGTG TCCACTCCCA GGTCCAACTG CAGGCCATGG CGGCCATCGA TT (SEQ ID NO.25)
AGGTGCCAC AGGTGAGGT CCAGGTTGAC GTCCGTACC GCCGTAGCT AA
cloning linker
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Figure 5F